Translation



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2590WO0P	FOR FURTHER ACTION	ACTION SeeNotificationofTransmittalofInternational Prelimit Examination Report (Form PCT/IPEA/416)		
International application No.	International filing date (day/r	nonth/year)	Priority date (day/month/year)	
PCT/JP00/00927	18 February 2000 (18	3.02.00)	19 February 1999 (19.02.99)	
International Patent Classification (IPC) or national classification and IPC C07K 14/705, C12N 15/12, 5/10, C12P 21/02, C07K 16/28, C12P 21/08, A61K 39/395, G01N 33/50, C12Q 1/00, C07K 14/46, C12Q 1/68				
Applicant TAKEDA CHEMICAL INDUSTRIES, LTD.				
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 				
2. This REPORT consists of a total of	5 sheets, including	ng this cover sl	neet.	
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These annexes consist of a total of sheets.				
3. This report contains indications relat	ting to the following items:			
I Basis of the report	I Basis of the report			
II Priority				
III Non-establishment o	III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
IV Lack of unity of invention				
Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			ventive step or industrial applicability;	
VI Certain documents cited				
VII Certain defects in the	VII Certain defects in the international application			
VIII Certain observations on the international application				
Date of submission of the demand	Date of	completion of	this report	
28 April 2000 (28.04.00)		22 Dec	cember 2000 (22.12.2000)	
Name and mailing address of the IPEA/JP		zed officer		
Facsimile No.	Telepho	one No.		

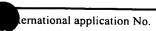


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I. Basi:	is of the report	
1. Witl	th regard to the elements of the international application:*	
	the international application as originally filed	
	the description:	
_	•	as originally filed
	pages pages	
	pages, filed with the lette	
	the claims:	
	nagres	
		, as originally filed
	, as amended (t	
	, med with the letter	r of
	the drawings:	
j	pages	
	pages	, filed with the demand
	pages, filed with the lette	r of
	the sequence listing part of the description:	
	pages	as originally filed
	pages	, filed with the demand
	pages, filed with the lette	r of _
uic ii	h regard to the language, all the elements marked above were available or furnished international application was filed, unless otherwise indicated under this item. see elements were available or furnished to this Authority in the following language the language of a translation furnished for the purposes of international search (under Rule 48.3(b)). the language of publication furnished for the purposes of international prelimor 55.3).	which is:
3. With prelin	h regard to any nucleotide and/or amino acid sequence disclosed in the iniminary examination was carried out on the basis of the sequence listing: contained in the international application in written form. filed together with the international application in computer readable form.	nternational application, the international
H	furnished subsequently to this Authority in written form.	
H	furnished subsequently to this Authority in computer readable form.	
	The statement that the subsequently furnished written sequence listing doe international application as filed has been furnished.	
M	The statement that the information recorded in computer readable form is ide been furnished.	entical to the written sequence listing has
4.	The amendments have resulted in the cancellation of:	
	the description, pages	
	the claims, Nos.	
	the drawings, sheets/fig	
5.	This report has been established as if (some of) the amendments had not been material beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c))	ide, since they have been considered to go
* Replain thi.	acement sheets which have been furnished to the receiving Office in response to an is report as "originally filed" and are not annexed to this report since they (70.17).	invitation under Article 14 are referred to
** Any re	replacement sheet containing such amendments must be referred to under item 1 and	d annexed to this report.

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III. Non	-establishment of opinion	with regard to novelty, inventive step and industrial a	applicability
1. The indus	questions whether the clain strially applicable have not b	med invention appears to be novel, to involve an invention appear to be novel, to involve an invented in respect of:	entive step (to be non obvious), or to be
	the entire international ap	oplication.	
\boxtimes	claims Nos.	23	
becau			
\boxtimes	the said international app! relate to the following su'	lication, or the said claims Nos. bject matter which does not require an international preli	23 liminary examination (specify):
The		aim 23 relates to a method of diagnosis of t	
	are so unclear that no mea	drawings (indicate particular elements below) or said claningful opinion could be formed (specify):	
	the claims, or said claims I by the description that no	Nos	are so inadequately supported
	no international search rep	port has been established for said claims Nos.	23
A mear sequen	the written form has not be	ninary examination cannot be carried out due to the fail to estandard provided for in Annex C of the Administrative en furnished or does not comply with the standard. The has not been furnished or does not comply with the standard.	ve Instructions:



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Statement			
Novelty (N)	Claims	1-22,24-27	YES
	Claims		NO
Inventive step (IS)	Claims	1-22,24-27	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-22,24-27	YES
	Claims		NO

2. Citations and explanations

Document 1: EP, 867508, A2 (SmithKline Beecham Corp.) 3 September 1998 (03.09.98)

Document 2: Brain Res. Mol. Brain Res., Vol. 54, No. 1, 1998, p. 152-160

None of the documents cited in the international search report describes the inventions set forth in Claims 1-22 and 24-27, and therefore these inventions appear to be novel and appear to involve an inventive step. None of the documents discloses a protein having the amino acid sequence represented by Sequence No. 1 of this application or a polynucleotide having a base sequence that codes for this protein.



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VIII.	Certain	observations on	the	international	application
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The following observations on the clarity of the claims,	description, and drawings or on the question whether the claims are fully
supported by the description, are made:	

The inventions set forth in Claims 12-13, 17-18, and 26-27 are not supported by the Specification.